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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-RW-2019-09-12-33** **Date: 05-08-2019**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.014.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-08-2019
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	03-08-2019

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Pecentage	24.6	

Note:-
The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2019-09-12-33** **Date: 05-08-2019**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.014.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-08-2019
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	03-08-2019

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 02/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	149.61 X 149.32 X 149.80	22340	8.122	578.7	25.9	25.6
2	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	151.70 X 149.14 X 149.17	22624	8.619	599.3	26.5	
3	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	149.58 X 151.86 X 150.96	22716	8.991	554.8	24.4	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2019-09-12-33

Date: 23/08/2019

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	149.47 X 151.35 X 149.66	22621	8.592	747.2	33.0	33.1
2	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	150.21 X 151.04 X 150.63	22688	8.020	744.3	32.8	
3	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	149.37 X 150.55 X 149.63	22488	8.607	752.7	33.5	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	150.45 X 149.36 X 149.38	22471	8.122	561.8	25.0	25.5
2	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	151.60 X 149.78 X 149.33	22707	8.619	609.0	26.8	
3	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	149.02 X 151.75 X 149.62	22613	8.991	556.2	24.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/08/2019

Lab ID	:	CP-2019-09-12-33
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	151.30 X 151.95 X 150.22	22989	8.592	765.4	33.3	32.9
2	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	149.38 X 149.76 X 151.68	22371	8.020	717.2	32.1	
3	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	149.70 X 151.62 X 149.84	22698	8.607	758.8	33.4	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-12-33 **Date: 03/08/2019**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	151.06 X 149.02 X 150.41	22511	8.122	569.0	25.3	25.7
2	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	151.95 X 149.50 X 150.99	22716	8.619	611.8	26.9	
3	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	150.65 X 149.36 X 151.57	22501	8.991	560.2	24.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 24/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	149.15 X 149.93 X 151.90	22362	8.592	740.3	33.1	33.3
2	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	149.71 X 150.60 X 150.93	22546	8.020	743.6	33.0	
3	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	150.27 X 151.02 X 149.06	22694	8.607	767.0	33.8	

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